

## P A T E N T   C L A I M S

5 1. A roof window with a pane/ supporting frame  
structure consisting of horizontal top and bottom  
members (1, 2; 5, 6) connected by parallel side members  
 5 (2, 4; 7, 8), which are at least partially wood pro-  
 files which on the outwards facing sides are covered by  
weather-shielding covering members (11, 12, 15, 17, 20,  
 21, 32) for sealing enclosure of the subjacent wood  
 profiles on all surfaces protruding from the roofing,  
 10 said covering members being connected with the wood  
 profiles by means of engagement and securing means (23-  
 29, 40) ~~which are designed in such manner~~ and/or posi-  
tioned such relative to the covering members that  
 15 penetration of water and moisture into the wood pro-  
 files is substantially prevented, the covering members  
 comprising a hood-like upper covering cap (32) for  
covering the top member (1, 5), an interior glazing  
profile (15) for covering a part facing the light-  
admitting area of the window of the upper edge (7, 8)  
 20 of each frame side member, an exterior covering member  
 (11) for covering the part protruding from the roofing.  
 of the exterior side of each frame side member (3, 4)  
 and <sup>112</sup> the adjoining part of the upper edge of the frame  
side member and a cap member (20, 21) overlapping the  
 25 glazing profile (15) and said covering member (11), the  
cap member being at the bottom secured to the lower  
part of the side member (7, 8), whereas at the top it  
is secured to the upper part of the side member (3, 4),  
c h a r a c t e r i z e d i n t h a t t h e c a p m e m b e r (20,  
 30 21) at is retained at said top by said upper covering  
cap (32) and is provided at said bottom with an inte-  
gral bent, hidden engagement means (25, 26) for snap-  
ping engagement with an engagement means (24) secured  
at the lower end of the side member (7, 8).

35 2. A roof window according to claim 1, c h a r -

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5 a c t e r i z e d in that the frame structure comprises a pivot sash accommodated in a main frame structure with top, bottom and side members (1 - 4) at least partially made of wood profiles, the hood-like upper covering cap (32) covering the top members (1, 5) of the main frame and sash structures, whereas the exterior covering member (11) covers the exterior side of each main frame side member (3, 4) and the adjoining part of its upper edge.

10 3. A roof window according to claim 2, c h a r -  
 15 a c t e r i z e d in that the sash structure has a pivot axis (10) parallel with and approximately halfway between the top and bottom members (1, 2; 5, 6), and that said cap member comprises an upper and a lower cap  
 20 member (20, 21) placed on either side of the pivot axis, the upper cap member (20) being secured to the upper part of the main frame side member (3, 4) or to an intermediate sash arm (36) connected between the main frame and sash side members (3, 4; 7, 8), whereas  
 25 the lower cap member (21) is secured to the lower part of the sash side member, said cap members (20, 21) being at a short distance from the lower end of the upper cap member and the upper end of the lower cap member provided with securing means for being secured  
 to fittings in fixed connection with the main frame side members (3, 4) or said intermediate sash arms, respectively, and with the sash side members (7, 8) outside the wood profiles thereof.

9 4. A roof window according to claim 1, 2 or 3,  
 30 c h a r a c t e r i z e d in that the engagement means at the bottom of the cap member (21) comprises an engagement bracket (25) parallel with the exterior wall (21a) of the cap member, said bracket being provided with a keyhole-shaped recess (26) for engagement with  
 35 and securing of a pin member (27) fastened to the frame

side member (7, 8).

5. A roof window according to claim 3, c h a r -  
a c t e r i z e d in that said securing means comprise  
screw holes (28) in the exterior walls (20a, 21a) of  
5 the cap members (20, 21) and in that said fittings are  
screw fittings (30, 31) for screws (29).

6. A roof window according to claim 5, c h a r -  
a c t e r i z e d in that said screw fittings (30, 31)  
are connected with a swing fitting in connection with  
10 the main frame side member (3,4) or said intermediate  
sash arm (36) and the sash side member (7,8), respect-  
ively.

7. A roof window according to <sup>claim 1</sup> ~~one of the preceding~~  
~~claims~~, c h a r a c t e r i z e d in that the cap  
15 member (20, 21) is designed as a flat, trough-shaped  
profile with U-shaped profile cross section comprising  
an exterior wall (20a, 21a) and two low side walls  
(20b-c, 21b-c) covering upright flange walls (15b, 11c)  
on the glazing profile (15) and the exterior covering  
20 member (11).

8. A roof window according to <sup>claim 3</sup> ~~claims 3 and 7~~,  
c h a r a c t e r i z e d in that the upper and the  
lower cap members have the same profile cross section  
and that the lower cap member (21) at its upper end has  
25 a joggled connection member (22) inserted under the  
lower end of the upper cap member (20), said connection  
member having such a shape that the cap members (20,  
21) in the closed position of the window are placed  
with their exterior walls (20a, 21a) and side walls  
30 (20b-c, 21b-c) in alignment with each other, and in  
that the lower cap member (21), when the window is  
opened, may swing unimpededly outwards relative to the  
upper cap.

9. A roof window according to claim 8, c h a r -  
35 a c t e r i z e d in that said joggled connection

member (22) on the lower cap member (21) against the lower end of the upper cap member (20) forms a pressure relieve chamber (22a) to prevent water penetration from below under the upper cap member (20).

5 10. A roof window according to claim 7, ~~8 or 9~~, characterized in that the cap member (21) at the bottom is provided with a bottom wall (21d) integrally connected with its side walls (21b-c).

10 11. A roof window according to <sup>claim 4</sup> ~~claims 4 and 9~~, characterized in that said engagement bracket (25) is designed as a bent flange member in parallel with the exterior wall (21a) of the lower cap member (21), said flange member being connected with said bottom wall (21d).

15 12. A roof window according to <sup>claim 1</sup> ~~any of the preceding claims~~, characterized in that the exterior frame covering members (11) at their lowest ends are provided with engagement flanges (13) for sealing, positive locking engagement with protruding  
20 flange members (14) from the ends of an exterior frame covering member (12) for the frame bottom member (2).

13. A roof window according to claim 3, in which the sash structure (33) under normal use is accommodated as a top-hung pivot window with an axis of  
25 rotation at the main frame and sash top members (1', 5'), whereas said pivot axis approximately halfway between the top and bottom members (1', 2'; 5', 6') is provided by pivotal connection of the sash side members (7', 8') to intermediate sash arms (36) with a view to  
30 making a turning of the window into a cleaning position possible, characterized in that the upper cap member (20') is secured to said intermediate sash arms (36), and that an upper covering member for the top members (1', 5') is made in two pieces with a lower  
35 part (38) connected with the intermediate sash and an

upper part (39) connected with the frame top member (1').

14. A roof window according to <sup>claim 1</sup> ~~any of the preceding~~  
~~ing claims~~, characterized in that frame  
 5 covering members (11) are secured to the frame structure (3, 4) by screw connections (29) screwed into bearing bushings (40) of plastic material, said bushings being secured to the wood profiles of the frame structure (3, 4).